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Amendment under 37 CFR § 1.116
Application No. 10/506,537
Attorney Docket No. 042541

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions of claims in the application.

1. (Currently amended) A heat-resistant Ni-alloy composite having excellent high-temperature oxidation resistance, comprising:

a Ni-alloy substrate and

a multi-layer surface structure formed on the Ni-alloy substrate, the multi-layer surface structure being formed by Al-diffusing treatment of the Ni-alloy substrate containing Cr, or by Al-diffusing treatment of the Ni alloy substrate coated with a Cr-containing layer, comprising

an inner Cr layer ~~with Cr content of more than 85 % composed of an α-Cr phase~~ in the form of α-Cr phase composed of precipitates between the substrate and an outer layer and

~~an~~ the outer layer composed of a β phase (Ni-Al-Cr) and a γ' phase (Ni_3Al(Cr)) ~~on the substrate~~, wherein the Al content in the outer layer is at least 20 atomic percent.

2. (Currently amended) The heat-resistant Ni-alloy composite according to claim 1, wherein the ~~Ni alloy substrate comprises~~ Cr-containing layer is a Ni-Cr-based alloy layer.

3. (Currently amended) The heat-resistant Ni-alloy composite according to claim 1 and 2, wherein the ~~Ni-Cr-based alloy~~ Cr-containing layer has a Cr content of at least 20 atomic percent.

4. (Cancelled).

5. (Original) The heat-resistant Ni-alloy composite according to claim 1, wherein the Ni-alloy substrate comprises a heat-resistant Ni-based alloy or a Ni-based superalloy.

6. (Original) The heat-resistant Ni-alloy composite according to claim 1, wherein the Ni-alloy substrate comprises a Ni-Cr-based alloy having a Cr content of at least 20 atomic percent.